

**Centre for Physiology and Biochemical Research (CPBR)
International Stress and Behavior Society (ISBS)
The Russian Society for BioPsychiatry (RSBP)
Ukrainian Society for Biological Psychiatry (USBP)
Institute of Experimental Medicine (IEM RAMS)**

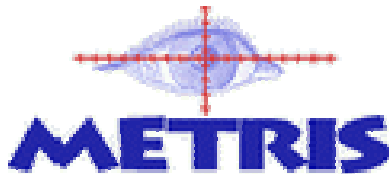
Final Program

**17th Multidisciplinary International Conference
on Neuroscience and Biological Psychiatry
“Stress and Behavior”
ISBS Conference**

***St-Petersburg, Russia
May 16-19, 2012***

IN PARTNERSHIP WITH:

Noldus
Information Technology



Day 1. Wed, May 16, 2012

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St-Petersburg, Russia

Afternoon session

13.00-18.00 Conference registration

14.30-14.45 **OPENING CEREMONY, WELCOMING ADDRESSES**

A Kalueff (Conference Chair), V Klimenko (Program Committee Chair)

14.45-18.00 **SPECIAL LECTURES** (45 min)

- **DOPAMINE AGONIST MODELING OF SCHIZOPHRENIA INCREASES ETHANOL INTAKE IN RATS.** A Egorov (Russia)
- **THE NEED FOR MULTI-MODAL AND MULTI-FUNCTIONAL MEASUREMENT SYSTEMS IN LABORATORY ANIMAL RESEARCH AND MATRIX ANALYSIS.** L Bachdasarian (Netherlands)

16.15-16.30 *Coffee break*

- **NOVEL EXPERIMENTAL MODELS OF HALLUCINOGENIC DRUG ACTION, ANXIETY AND DEPRESSION – FROM FISH TO HUMANS.** A Kalueff (USA)
- **ANXIETY IN GENERAL PRACTICE.** E Akarachkova (Russia)

SOCIAL EVENTS

18.00-18.45 **Welcoming Mini-Reception (free for registered delegates)**

19.00-22.00 **City Tour (admissions)**

Day 2. Thur, May 17, 2012

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St-Petersburg, Russia

Morning session

9.00-18.00 Conference registration

9.15-10.00 **SPECIAL LECTURE** (45 min)

- **THE PHENOWORLD CONCEPT – A MULTI-DIMENSIONAL APPROACH IN MULTI-ARENA HOME CAGE PHENOTYPING.** E Wenzler (Germany)

10.00-13.00 **SYMPOSIUM I: UNDERSTANDING DOPAMINE NEUROTRANSMISSION**

Chair: R Gainetdinov (Italy), presentations 30 min

- **TARGETING NETWORKS, AKT/GSK3 SIGNALING IN THE ACTIONS OF PSYCHIATRIC DRUGS.** JM Beaulieu (Canada)

- **NEUROPLASTIC CHANGES FOLLOWING REPEATED EXPOSURE TO COCAINE DURING ADOLESCENCE.** F Fumagalli (Italy)
- **MANIPULATING BRAIN DOPAMINE TRANSMISSION THROUGH OPTOGENETICS.** EA Budygin (USA)

11.30-12.00 Coffee break

- **THE ROLE OF G PROTEIN-COUPLED RECEPTOR KINASE 6 (GRK6) IN ANIMAL MODELS OF PARKINSON'S DISEASE AND L-DOPA TREATMENT.** R Gainetdinov (Italy)
- **ROLE OF TRACE AMINE ASSOCIATED RECEPTOR 1 (TAAR1) IN D2 DOPAMINE RECEPTOR-RELATED BEHAVIOR AND SIGNALING.** S Espinoza (Italy)

13.00-14.00 Lunch Break

Afternoon session

14.00-16.00 SYMPOSIUM II. NEUROSCIENTIFIC APPROACHES TO THE STUDY OF HUMAN FEAR AND ANXIETY

Chair: D Mobbs (UK), presentations 30 min

- **FEAR, SURVIVAL INTELLIGENCE AND THE NERVOUS SYSTEM.** D Mobbs (UK)
- **THE NEURAL MECHANISMS OF EMOTIONAL CONTROL AND FLEXIBILITY.** D Schiller (USA)
- **MOLECULAR IMAGING OF EMOTIONAL DECISION MAKING IN HUMAN.** H Takahashi (Japan)
- **GENETIC AND PHARMACOLOGICAL APPROACHES TO HUMAN FEAR.** A Perkins (UK)

16.00-16.20 Coffee Break

16.20-17.35 CONFERENCE TALKS (25 min)

- **TECNIPLAST iSPAWN, ZEBTEC: ZEBRAFISH HOUSING AND HUSBANDRY NEEDS - TOWARDS A COMMON SET OF RULES.** H Lehtinen (Italy)
- **THE PEPTIDE COMPENSATION OF THE POSTSTRESSOR COGNITIVE AND BEHAVIOUR DISTURBANCES OF THE MAMMALS.** T Sollertinskaja (Russia)
- **EFFECTS OF STRESS ON THE ACTIVITY OF A NEUROPEPTIDASE NEPRILYSIN IN RAT BRAIN STRUCTURES.** D Bagrova (Russia)

SOCIAL EVENTS

20.00-22.00 Neva River and Canals Boat Trip (admissions)

Day 3. Fri, May 18, 2012

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St-Petersburg, Russia

Morning session

9.00-18.00 Conference registration

9.30-10.00 CONFERENCE TALK (30 min)

- **SPADIN, A SORTILIN-DERIVED PEPTIDE: A NEW CONCEPT IN THE ANTIDEPRESSANT DRUG DESIGN.** M Borsotto (France)

10.00-16.00 **SYMPOSIUM III: ZOFIA ZUKOWSKA SYMPOSIUM ON EXPERIMENTAL MODELS IN BRAIN RESEARCH**

Chairs: I Ekimova (Russia), A Kalueff (USA), presentations 20 min

- **PROFESSOR ZOFIA ZUKOWSKA (1948-2012).** A Kalueff (USA)
- **INCREASED CONTEXT-DEPENDENT SENSITIZATION TO AMPHETAMINE IN TAAR1-KO MICE.** I Sukhanov (Italy)
- **THE RELATIONSHIP BETWEEN THE UBIQUITIN-PROTEASOME SYSTEM AND EXPRESSION OF HSP70 IN NIGRAL NEURONS.** I Ekimova (Russia)
- **SLEEP-DEPRIVATION STRESS AND VASOTOCINERGIC BRAIN SYSTEM IN FROGS.** A Hramenkova (Russia)

11.20-11.40 *Coffee break*

- **BEHAVIORAL EFFECTS OF SINGLE INTRACEREBROVENTRICULAR ADMINISTRATION OF AMYLOID-BETA PEPTIDE FRAGMENT 25-35 IN RATS.** V Mukhin (Russia)
- **THE EFFECT OF VALPROIC ACID ON NEURODEVELOPMENT MICE DURING GESTATION.** J Podgorac (Serbia)
- **THE POLYMORPHISM IN LIMK1 GENE AND STRESS EFFECTS ON COURTSHIP BEHAVIOR AND MEMORY FORMATION IN *D. MELANOGASTER*.** EV Savvateeva-Popova (Russia)
- **MODELING OF PRECLINICAL STAGE OF PARKINSON'S DESEASE IN RODENTS.** K Lapshina (Russia)

13.00-14.00 *Lunch Break*

- **COMPARATIVE EFFECTS OF DIFFERENT COMPOUNDS ON STRESS-INDUCED BEHAVIOURAL RESPONSES.** Z Dzirkale (Latvia)
- **PRECONDITIONING TO PRENATAL STRESS HAS DIFFERENT BEHAVIORAL CONSEQUENCES DURING POSTNATAL ONTOGENESIS.** N Dubrovskaya (Russia)

- **ULTRASOUND VOCALIZATION AND INDEPENDENT INGESTIVE ACTIVITY DURING SOCIAL ISOLATION IN PREWEANLING RAT.** A Kozlov (Russia, USA)

15.00-15.20 Coffee break

15.20-17.00 MODERATED POSTER SESSION

Posters are on display for the whole day; presenters should be available for questions during the poster session

- **ZEBRAFISH AS A MODEL FOR STUDYING PARKINSON'S DISEASE.** RS Soares (Portugal)
- **EFFECTS OF IMMOBILIZATION STRESS ON MEMORY AND NEURONAL PLASTICITY IN THE CORTICAL DIVISIONS OF RATS.** D Vasilev (Russia)
- **COMPARATIVE ANALYSIS OF THE INFLUENCE OF EMOTIONALLY NEGATIVE AND NEUTRAL TV-NEWS PLOTS ON THE PSYCHO-PHYSIOLOGICAL CONDITION OF THEIR VIEWERS (BASED ON THE EXPERIMENT).** Y Havrylets (Ukraine)
- **ANXIOLYTIC EFFECTS OF 5-HT₃ ANTAGONISTS.** D Yakovlev (Russia)
- **THE LEVEL OF OXIDATIVE STRESS AND THE CHARACTER OF BEHAVIOR DISORDERS IN LIMITING PHYSICAL ACTIVITY IN RATS WITH HIGH AND LOW TOLERANCE TO HYPOXIA.** D Kozochkin (Russia)
- **INVESTIGATION OF THE RELATIONSHIP OF INVOLUNTARY ATTENTION TO THE DEVELOPMENT OF CENTRAL FATIGUE.** V Knyazeva (Russia)
- **OVERALL MEMORY IMPAIRMENT IDENTIFICATION WITH MATHEMATICAL MODELING OF THE LEARNING CURVE IN PATIENTS WITH CEREBROVASCULAR DISEASES.** S Belokoskova (Russia)
- **THE USE OF BIOACOUSTIC CORRECTION FOR THE TREATMENT OF DELAYED CONSEQUENCES OF CNS PRENATAL DAMAGE IN CHILDREN.** V Trushina (Russia)
- **THE EXPERT ESTIMATION BASED ANALYSIS OF THE EEG ACOUSTIC IMAGE IN BIOACOUSTIC CORRECTIONS.** K Konstantinov (Russia)
- **EFFECTS OF BIDIRECTIONAL SELECTION FOR BEHAVIOR TOWARDS HUMAN ON THE BEHAVIOR OF POSTPARTUM FEMALE NORWAY RATS.** M Konoshenko (Russia)
- **CELLULAR AND MOLECULAR MECHANISMS OF THE FORMATION OF DELAYED COGNITIVE DEFICIT CAUSED BY INCREASED LEVEL OF INTERLEUKIN-1B IN NEONATAL PERIOD.** A Trofimov (Russia)
- **STRESS AND THE DANGERS OF CURING CHRONIC BENIGN DISEASES.** MP Rambarun (Mauritius, Ukraine)
- **FUNCTIONAL SIGNIFICANCE OF THE 3'-UTR IN THE MRNA OF THE STRESS-INDUCIBLE PROTEIN CHOP.** WT Lui (Hong Kong, China)
- **AN IN VITRO PREPARATION OF THE TURTLE TELECEPHALON FOR THE ELECTROPHYSIOLOGICAL STUDY OF CORTICOSTEROID MODULATION OF CORTICOLIMBIC PATHWAYS.** A Petko (USA)

SOCIAL EVENTS

20.00-23.00 Conference Dinner (admissions)

Day 4. Sat, May 19, 2012

Oktiabrskaya Hotel, Grand hall (2nd floor), 10 Ligovsky Prospect, St-Petersburg, Russia

Morning session

9.00-11.00 Conference registration

10.00-14.00 SYMPOSIUM IV: STRESS AND HUMAN BEHAVIOR

Chair: V Klimenko (Russia), presentations 30 min

- **OCCUPATIONAL STRESS AMONG ADMINISTRATIVE PERSONNEL IN MENTAL HEALTH HOSPITALS.** G Hayredin (Bulgaria)
- **RESTRUCTURING ATEMPORAL MEMORIES (REMA), A NOVEL TECHNIQUE TO ELICIT VARIATIONS IN HUMAN BEHAVIOUR AND PERSONALITY PATTERNS.** A Quaini-Citoler (Spain)
- **BEHAVIOR AS A CONSEQUENCE TO FULLY DESCRIBE SHORT-TERM OCCUPATIONAL STRESS.** P Fauquet-Alekhine (France)

11.30-12.00 Coffee Break

- **THE USE OF HIGH FIDELITY SIMULATIONS TO ASSESS THE ASSOCIATION BETWEEN STRESS AND PERFORMANCE IN EMERGENCY RELATED OCCUPATIONS.** C Regehr (Canada)
- **MEDICAL STUDENTS' LONELINESS, HOPELESSNESS AND ANXIETY AGAINST THEIR SELF COMPASSION.** N Karaoglu (Turkey)

13.00-13.20 CLOSING CEREMONY.

ANNOUNCING THE 2013 ISBS "STRESS AND BEHAVIOR" CONFERENCE

SOCIAL EVENTS

19.00-22.00 Theatre (admissions)

Sun, May 20, 2012

Institute of Experimental Medicine (12 Pavlov Street, St-Petersburg)

10.00-15.00

Visit to Pavlov Department of Physiology of the Institute of Experimental Medicine: bus to IEM leaves at 10.00 sharp from main entrance of Oktiabrskaya Hotel, and will return to Oktiabrskaya Hotel by 15.00 (FREE for all delegates)

SOCIAL EVENTS

10.00-16.00 Peterhof Tour (admissions)